

d his

(FILE 'USPAT' ENTERED AT 13:24:29 ON 08 MAR 96)

DELETE SAVED

SET HEA OFF

L1 1187 S GPS OR GLOBAL POSITIONING
L2 5 S L1 AND (340/539 OR 340/572-574)/CCLST
L3 136 S L1 AND 342/450-465/CCLST
L4 6 S L1 AND (340/825.49 OR 455/100)/CCLS
L5 12 S L1 AND 342/42-51/CCLST
L6 0 S L3 AND (IMPLANT? OR SUBCUTANEOUS##)
L7 2 S 342/450-465/CCLST AND (IMPLANT? OR SUBCUTANEOUS##)
L8 13 S L1 AND (IMPLANT? OR SUBCUTANEOUS##)
L9 22 S L2 OR L4 OR L5

=> d 17 1-2;d 1-22

L7 "implant"/"subcutaneous"

1. 5,119,104, Jun. 2, 1992, Location system adapted for use in multipath environments; Alan C. Heller, **342/450**, **463**, **465**; 375/202, 207; 380/34 [IMAGE AVAILABLE]

2. 4,583,869, Apr. 22, 1986, Method and apparatus for measuring the temperature of a body in microwaves; Maurice Chive, et al., 374/122; 128/653.1, 736; **342/450** [IMAGE AVAILABLE]

L9 "GPS"

1. 5,495,248, Feb. 27, 1996, Stabilizing method of synthetic aperture radar and position determining method thereof; Masatoshi Kawase, et al., 342/25, **43**, 191 [IMAGE AVAILABLE]

2. 5,493,692, Feb. 20, 1996, Selective delivery of electronic messages in a multiple computer system based on context and environment of a user; Marvin M. Theimer, et al., 455/26.1; 340/825.31, **825.49**; 379/38, 57; 380/3, 23 [IMAGE AVAILABLE]

3. 5,485,463, Jan. 16, 1996, System for transmitting paging signals using time-division-multiplexing; Andrei Godoroja, 370/95.1; 340/825.44, **825.49**; 370/110.1; 455/38.1 [IMAGE AVAILABLE]

4. 5,470,233, Nov. 28, 1995, System and method for tracking a pedestrian; James R. Fruchterman, et al., 434/112; 340/825.19, **825.49**; 364/449; 434/116, 365 [IMAGE AVAILABLE]

5. 5,461,390, Oct. 24, 1995, Locator device useful for house arrest and stalker detection; Joseph Hoshen, 342/419; **340/573**, **825.49** [IMAGE AVAILABLE]

6. 5,461,365, Oct. 24, 1995, Multi-hazard alarm system using selectable power-level transmission and localization; Dan Schlager, et al., **340/573**, **539**; 342/357, 450 [IMAGE AVAILABLE]

7. 5,416,468, May 16, 1995, Two-tiered system and method for remote monitoring; William J. Baumann, **340/573**, **539** [IMAGE AVAILABLE]
8. 5,414,432, May 9, 1995, Position locating transceiver; Robert E. Penny, Jr., et al., 342/357, **44**, **50**, 463 [IMAGE AVAILABLE]
9. 5,410,739, Apr. 25, 1995, Variable data message communication over voice communication channel; Robert H. Hart, 455/66; **340/539**, **573**, 996; 455/54.1, 89, 345 [IMAGE AVAILABLE]
10. 5,396,243, Mar. 7, 1995, Infrared laser battlefield identification beacon; Anthony Jalink, Jr., et al., 342/54, **45** [IMAGE AVAILABLE]
11. 5,382,957, Jan. 17, 1995, [System and method] Richard J. Blume, **342/43**, **45**, 357 [IMAGE AVAILABLE]
12. 5,369,589, Nov. 29, 1994, Plural information display for navigation; Glenn C. Steiner, 364/449; 340/990, 995; **342/47**, 176; 364/447, 451, 452 [IMAGE AVAILABLE]
13. 5,341,140, Aug. 23, 1994, Transponder system; Kenneth H. Perry, **342/44**, **46**, **50** [IMAGE AVAILABLE]
14. 5,280,287, Jan. 18, 1994, Coded identification and positioning system; Alan G. Evans, **342/45**, 55 [IMAGE AVAILABLE]
15. 5,262,784, Nov. 16, 1993, System for monitoring aircraft position; Paul F. Drobnicki, et al., **342/45**, **46** [IMAGE AVAILABLE]
16. 5,231,400, Jul. 27, 1993, Covert electronic battlefield identification system; Richard B. Mouldin, et al., **342/45**, 250/332; 348/31; 356/5.05 [IMAGE AVAILABLE]
17. 5,223,844, Jun. 29, 1993, Vehicle tracking and security system; John P. Mansell, et al., 342/357; **340/825.49**, 342/457; 379/59 [IMAGE AVAILABLE]
18. 5,081,667, Jan. 14, 1992, System for integrating a cellular telephone with a vehicle security system; Ze'ev Drori, et al., 379/59; 290/38C; 340/426, **539**, 993; 379/44 [IMAGE AVAILABLE]
19. 5,014,206, May 7, 1991, Tracking system; James R. Scribner, et al., 364/449; **340/825.49**, 342/457; 364/443, 452 [IMAGE AVAILABLE]
20. 4,677,441, Jun. 30, 1987, Two-way ranging system; Gunter Hofgen, et al., 342/174, **51**, 125 [IMAGE AVAILABLE]

21. 4,622/557, Nov. 11, 1986, Transdigitizer for relaying signals from
global **positioning** system (**GPS**) satellites; Edwin E.
Westerfield, 342/357, **42** [IMAGE AVAILABLE]

22. 4,359,733, Nov. 16, 1982, Satellite-based vehicle position
determining system; Gerard K. O'Neill, 342/36, **44**, 357, 456; 364/449

* see DIALOG
search

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(FILE 'USPAT' ENTERED AT 10:33:14 ON 08 MAR 96)

SET HEA OFF

L1 *60 S (IMPLANT? OR SUBCUTANEOUS##) AND (340/539 OR 340/572-574)/CLST
)/C
L2 17 S (IMPLANT? OR SUBCUTANEOUS##)/CLM AND (340/539 OR 340/572
-57
L3 14 S (IMPLANT? OR SUBCUTANEOUS##)/AB AND (340/539 OR 340/572-
574
L4 5 S (IMPLANT? OR SUBCUTANEOUS##)/TI AND (340/539 OR 340/572-
574
L5 23 S L2 OR L3 OR L4
L6 359 S (IMPLANT? OR SUBCUTANEOUS##) (10A) (TRANSCIVER# OR TRANSM
ITT
L7 1 S 4706689/PN AND L6
L8 19 S L6 AND (HOMING OR LOCATING OR TRACKING)/CLM
L9 6 S L6 AND (HOMING OR LOCATING OR TRACKING)/AB
L10 5 S L6 AND (HOMING OR LOCATING OR TRACKING)/TI
L11 22 S L8 OR L9 OR L10
SELECT L1 1-60 CCLS
DELETE SELECT
SELECT L5 1-23 CCLS

L12 *2085 S ((IMPLANT? OR SUBCUTANEOUS##) (5A) (SKIN OR BODY)) (P) (INDIVIDUAL#
PERSON#
HUMAN#
ANIMAL#)
=> s l1 and l12
L13 8 L1 AND L12
=> s l5 and l12
L14 4 L5 AND L12
=> d l13 1-8;d l11 1-22

L13

1. 5,218,343, Jun. 8, 1993, Portable field-programmable detection
microchip; Anatoli Stobbe, et al., **340/572**, 505, 825.34, 825.54,
870.24, 870.31 [IMAGE AVAILABLE]

2. 5,025,492, Jun. 18, 1991, Damping circuit for the antenna resonance
circuit of a radio transmitter-receiver; Bruno Viereck, 342/44;
340/572, 825.54 [IMAGE AVAILABLE]

3. 4,980,671, Dec. 25, 1990, Remote confinement system with timed tamper
signal reset; Jim A. McCurdy, 340/568, **539**, **573**; 379/38 [IMAGE
AVAILABLE]

4. 4,854,328, Aug. 8, 1989, Animal monitoring telltale and information
system; Philip Pollack, 128/736; 119/51.02, 174; 128/903; **340/539**,
573, 870.17 [IMAGE AVAILABLE]

5. 4,706,689, Nov. 17, 1987, **Implantable** homing device; Daniel Man,

128/631; **340/539**; 379/59 [IMAGE AVAILABLE]

6. 4,618,822, Oct. 21, 1986, Displacement sensing device utilizing adjustable tuned circuit; Per K. Hansen, 324/207.16; 128/782; 324/207.23, 236; **340/572** [IMAGE AVAILABLE]

7. 4,333,072, Jun. 1, 1982, Identification device; Michael Beigel, 340/825.54; 235/449; **340/572** [IMAGE AVAILABLE]

8. 4,087,791, May 2, 1978, Electromagnetically responsive device and system for detecting the same; Richard R. Lemberger, 340/825.54, **572**, **573**; 342/44; 455/23, 100 [IMAGE AVAILABLE]

1. 5,484,404, Jan. 16, 1996, Replaceable catheter system for physiological sensors, tissue stimulating electrodes and/or implantable fluid delivery systems; Joseph H. Schulman, et al., 604/66 [IMAGE AVAILABLE]

2. 5,445,150, Aug. 29, 1995, Invasive system employing a radiofrequency **tracking** system; Charles L. Dumoulin, et al., 128/653.1, 899; 340/825.36, 825.49 [IMAGE AVAILABLE]

3. 5,443,066, Aug. 22, 1995, Invasive system employing a radiofrequency **tracking** system; Charles L. Dumoulin, et al., 128/653.1, 899; 340/825.36, 825.49 [IMAGE AVAILABLE]

4. 5,429,582, Jul. 4, 1995, Tumor treatment; Jeffery A. Williams, 600/2; 607/3 [IMAGE AVAILABLE]

5. 5,375,596, Dec. 27, 1994, Method and apparatus for determining the position of catheters, tubes, placement guidewires and implantable ports within biological tissue; Robert G. Twiss, et al., 128/653.1, 903; 607/156 [IMAGE AVAILABLE]

6. 5,355,137, Oct. 11, 1994, Method of reading the data stored in a passive responder by means of an interrogation device comprising a receiving section; Josef H. Schurmann, 342/42, 44, 51 [IMAGE AVAILABLE]

7. 5,342,408, Aug. 30, 1994, Telemetry system for an implantable cardiac device; Paul E. deCoriolis, et al., 607/32 [IMAGE AVAILABLE]

8. 5,300,120, Apr. 5, 1994, **Implant** with electrical **transponder** marker; Terry R. Knapp, et al., 623/11, 8, 16, 18 [IMAGE AVAILABLE]

9. 5,203,345, Apr. 20, 1993, Method of using a support anchor for the vagina of a mammalian female; Alma D. Kennedy, et al., 128/736; 607/138 [IMAGE AVAILABLE]

10. 5,166,502, Nov. 24, 1992, Gaming chip with implanted programmable identifier means and process for fabricating same; Thomas G. Rendleman, et al., 235/492; 29/602.1; 40/27.5; 264/272.14, 272.17 [IMAGE AVAILABLE]

11. 5,111,799, May 12, 1992, Estrous detection systems; Phillip L. Senger, et al., 128/738, 774 [IMAGE AVAILABLE]

12. 5,051,741, Sep. 24, 1991, ****Locating**** system; Philip B. Wesby, 340/825.49, 539, 572; 342/44, 51 [IMAGE AVAILABLE]

13. 4,970,988, Nov. 20, 1990, Method and apparatus for monitoring animal migration; Paul G. Heisey, 119/215; 40/300 [IMAGE AVAILABLE]

14. 4,868,544, Sep. 19, 1989, Shopping cart retrieval system; Rex Havens, 340/572; 74/551.8; 180/167; 186/62; 194/905; 200/61.85; 280/33.992, 288.4, DIG.4; 340/539, 568, 571, 573; 455/99 [IMAGE AVAILABLE]

15. 4,804,054, Feb. 14, 1989, Device and method for precise subcutaneous placement of a medical instrument; David C. Howson, et al., 128/898, 897; 604/48 [IMAGE AVAILABLE]

16. RE 32,758, Oct. 4, 1988, Method for remotely monitoring the long term deep body temperature in female mammals; David L. Zartman, 128/736, 738 [IMAGE AVAILABLE]

17. 4,714,673, Dec. 22, 1987, Method for measurement of concentration of substance; Manfred Kessler, et al., 435/14; 204/415, 418; 435/287.1, 817 [IMAGE AVAILABLE]

18. 4,706,689, Nov. 17, 1987, Implantable ****homing**** device; Daniel Man, 128/631; 340/539; 379/59 [IMAGE AVAILABLE]

19. 4,654,880, Mar. 31, 1987, Signal transmission system; Hugh D. Sontag, 455/41, 121; 607/57 [IMAGE AVAILABLE]

20. 4,585,005, Apr. 29, 1986, Method and pacemaker for stimulating penile erection; Tom P. Lue, et al., 607/39, 59, 72 [IMAGE AVAILABLE]

21. 4,468,452, Jul. 31, 1984, ****Tracking**** and telemetry system for severe multipath acoustic channels; Jay V. Chase, Jr., 367/134, 901 [IMAGE AVAILABLE]

22. 4,110,726, Aug. 29, 1978, Navigation system and method for determining the position of an ocean mining ship; William T. Dorrance, et al., 367/6, 128 [IMAGE AVAILABLE]

L15 39 S (IMPLANT? OR SUBCUTANEOUS##) AND (340/825.36 OR 340/825.
49
L16 1 S IMPLANT? AND 5464013/PN
L17 6 S L15 AND L12
=> s l17 not l13
L18 2 L17 NOT L13
=> d 1-2

1. 5,260,701, Nov. 9, 1993, Bidirectional inductive transmission of data with slave station supplied by the master; Yves Guern, et al.,
340/825.54, 825.72; 455/88 [IMAGE AVAILABLE]

2. 4,510,495, Apr. 9, 1985, Remote passive identification system; Nick A. Sigrimis, et al., **340/825.54**; 119/51.02; 340/825.72; 342/44 [IMAGE AVAILABLE]

=> s (implant? or subcutaneous##) and 342/42-51/cclst
43078 IMPLANT?
25279 SUBCUTANEOUS##
1065 342/42-51/CCLST (10 TERMS)
(342/42+NEXT9/CCLST)

L19 28 (IMPLANT? OR SUBCUTANEOUS##) AND 342/42-51/CCLST

=> s l19 and l12

L20 11 L19 AND L12

=> s l20 not (l13 or l17)

L21 8 L20 NOT (L13 OR L17)

=> d 1-8

L21

1. 5,451,959, Sep. 19, 1995, Transponder arrangement; Josef H. Schuermann, **342/51**, **44** [IMAGE AVAILABLE]

2. 5,450,088, Sep. 12, 1995, Transponder arrangement; Herbert Meier, et al., **342/51**, **42**, **44** [IMAGE AVAILABLE]

3. 5,444,448, Aug. 22, 1995, Arrangement interrogation unit for transponder; Josef H. Schuermann, et al., **342/42**, **44**, **50**, **51** [IMAGE AVAILABLE]

4. 5,438,335, Aug. 1, 1995, Responder unit for transponder arrangement; Josef H. Schuermann, et al., **342/51** [IMAGE AVAILABLE]

5. 5,410,315, Apr. 25, 1995, Group-addressable transponder arrangement; Alexander G. Huber, **342/42**, **44** [IMAGE AVAILABLE]

6. 5,305,008, Apr. 19, 1994, Transponder system; Leigh H. Turner, et al., **342/44**, **51** [IMAGE AVAILABLE]

7. 5,053,774, Oct. 1, 1991, Transponder arrangement; Josef H. Schuermann, et al., **342/44**, **51** [IMAGE AVAILABLE]

8. 4,075,632, Feb. 21, 1978, Interrogation, and detection system; Howard A. Baldwin, et al., **342/51**; 340/870.01; **342/50**; 455/92, 106

> d his 122-125

(FILE 'USPAT' ENTERED AT 10:33:14 ON 08 MAR 96)

L22 1187 S GPS OR GLOBAL POSITIONING

L23 0 S L12 AND L22

L24 2 S L6 AND L22

L25 13 S L22 AND (IMPLANT? OR SUBCUTANEOUS##)

=> d 1-13

L25 - GPS

1. 5,496,712, Mar. 5, 1996, High molecular weight collagen-like protein polymers; Joseph Cappello, et al., 435/69.1, 252.33; 530/356, 388.9, 389.8; 536/23.5 [IMAGE AVAILABLE]

2. 5,486,593, Jan. 23, 1996, Medical devices fabricated from copolymers having recurring carbonate units; Regianld T. Tang, et al., 528/370; 524/113, 114; 528/271, 371; 602/48; 606/230; 623/15 [IMAGE AVAILABLE]

3. 5,466,841, Nov. 14, 1995, Formulations containing unsaturated fatty acids; David F. Horrobin, et al., 554/79, 80 [IMAGE AVAILABLE]

4. 5,410,750, Apr. 25, 1995, Interference suppressor for a radio receiver; Robert H. Cantwell, et al., 455/306; 375/200, 349; 455/307, 311 [IMAGE AVAILABLE]

5. 5,360,736, Nov. 1, 1994, Process for attenuated varicella zoster virus vaccine production; Philip J. Provost, et al., 435/240.21; 424/230.1; 435/235.1 [IMAGE AVAILABLE]

6. 5,330,477, Jul. 19, 1994, Apparatus and method for bone fixation and fusion stimulation; David F. Crook, 606/69, 71 [IMAGE AVAILABLE]

7. 5,304,210, Apr. 19, 1994, Apparatus for distributed bone growth stimulation; David F. Crook, 607/51 [IMAGE AVAILABLE]

8. 5,288,851, Feb. 22, 1994, Renin inhibitors, processes for preparing them, methods for using them, and compositions containing them; Annette M. Doherty, et al., 530/338, 333, 335 [IMAGE AVAILABLE]

9. 5,214,036, May 25, 1993, Benzoporphyrin derivatives for photodynamic therapy; Beth A. Allison, et al., 514/185, 410; 530/359 [IMAGE AVAILABLE]

10. 5,162,527, Nov. 10, 1992, Renin inhibitors, processes for preparing them, methods for using them, and compositions containing them; Annette M. Doherty, et al., 544/159, 383; 548/542; 562/430 [IMAGE AVAILABLE]

11. 5,099,857, Mar. 31, 1992, Medical testing device with calibrated indicia; Brian A. Baldo, et al., 128/743; 604/46 [IMAGE AVAILABLE]

12. 5,063,207, Nov. 5, 1991, Renin inhibitors, method for using them, and compositions containing them; Annette M. Doherty, et al., 514/18; 530/330, 331 [IMAGE AVAILABLE]

13. 4,432,969, Feb. 21, 1984, Pharmaceutical compositions; Frank R. Batchelor, 424/275.1, 278.1, 283.1; 536/5 [IMAGE AVAILABLE]

L26

13 (IMPLANT? OR SUBCUTANEOUS##) (P) (MUSCLE#(10A) (POWER(2A) (SOURCE OR
SUPPLY)))

=> d 1-13

~~RE SUPPLY~~

L26

1. 5,476,503, Dec. 19, 1995, Sense array intelligent patch lead for an implantable defibrillator and method; Min-Yaug Yang, 607/129 [IMAGE AVAILABLE]
2. 5,456,715, Oct. 10, 1995, Implantable mechanical system for assisting blood circulation; Domingo S. Liotta, 623/3; 600/16 [IMAGE AVAILABLE]
3. 5,354,328, Oct. 11, 1994, Patch electrode for an implantable defibrillator; Phong D. Doan, et al., 607/129 [IMAGE AVAILABLE]
4. 5,324,323, Jun. 28, 1994, Multiple channel cardiosynchronous myoplasty apparatus; Tuan S. Bui, 607/119; 600/16; 607/132 [IMAGE AVAILABLE]
5. 5,251,621, Oct. 12, 1993, Arrhythmia control pacer using skeletal muscle cardiac graft stimulation; Kenneth A. Collins, 607/4; 600/17; 607/6 [IMAGE AVAILABLE]
6. 5,167,229, Dec. 1, 1992, Functional neuromuscular stimulation system; Paul H. Peckham, et al., 607/48 [IMAGE AVAILABLE]
7. 5,007,927, Apr. 16, 1991, Muscle-powered cardiac assist device; Stephen F. Badylak, et al., 623/3; 600/16 [IMAGE AVAILABLE]
8. 4,938,766, Jul. 3, 1990, Prosthetic compliance devices; Robert K. Jarvik, 623/3 [IMAGE AVAILABLE]
9. 4,524,774, Jun. 25, 1985, Apparatus and method for the stimulation of a human muscle; Jurgen Hildebrandt, 607/62; 128/903 [IMAGE AVAILABLE]
10. 4,317,078, Feb. 23, 1982, Remote position and orientation detection employing magnetic flux linkage; Herman R. Weed, et al., 324/207.26; 128/653.1 [IMAGE AVAILABLE]
11. 3,815,611, Jun. 11, 1974, MUSCLE STIMULATION AND/OR CONTRACTION DETECTION DEVICE; Rollin H. Denniston, III, 607/8; 128/782; 607/17 [IMAGE AVAILABLE]
12. 3,769,984, Nov. 6, 1973, PACING CATHETER WITH FRICTIONAL FIT LEAD ATTACHMENT; Lloyd D. Muench, 607/122 [IMAGE AVAILABLE]
13. 3,646,940, Mar. 7, 1972, IMPLANTABLE ELECTRONIC STIMULATOR ELECTRODE

Timm et al. 607/40,51,66